



#24  
POA 2/6/03

03500.012127.

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
: Examiner: L. Nguyen  
HIROTO OKAWARA )  
: Group Art Unit: 2612  
Application No.: 08/877,728 )  
:   
Filed: June 18, 1997 )  
:   
For: IMAGE PICKUP APPARATUS ) March 3, 2003  
: (Monday)

Commissioner for Patents  
Box AF  
Washington, D.C. 20231

REQUEST FOR APPROVAL TO AMEND THE DRAWINGS

Sir:

Submitted herewith in accordance with PTO practice are duplicate copies of  
the drawings including proposed amendments shown in red ink.

Please amend the drawings, as follows:

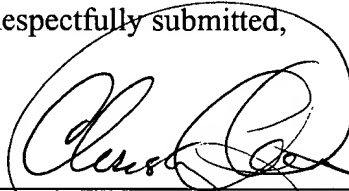
In Figs. 1 to 5, 12, 13, 14A and 14 B, add label - - PRIOR ART- -.

Favorable consideration and entry of the proposed drawing amendments  
respectfully are requested.

Approved  
6/4/03  
LN

Applicant's attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Chris Wrist", is written over a horizontal line.

Attorney for Applicant  
Christopher Philip Wrist  
Registration No. 32,078

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
Facsimile: (212) 218-2200

CPW\dc

DC\_MAIN 125347 v1

DC\_MAIN 125347 v 1

FIG. 1 Pecor AR

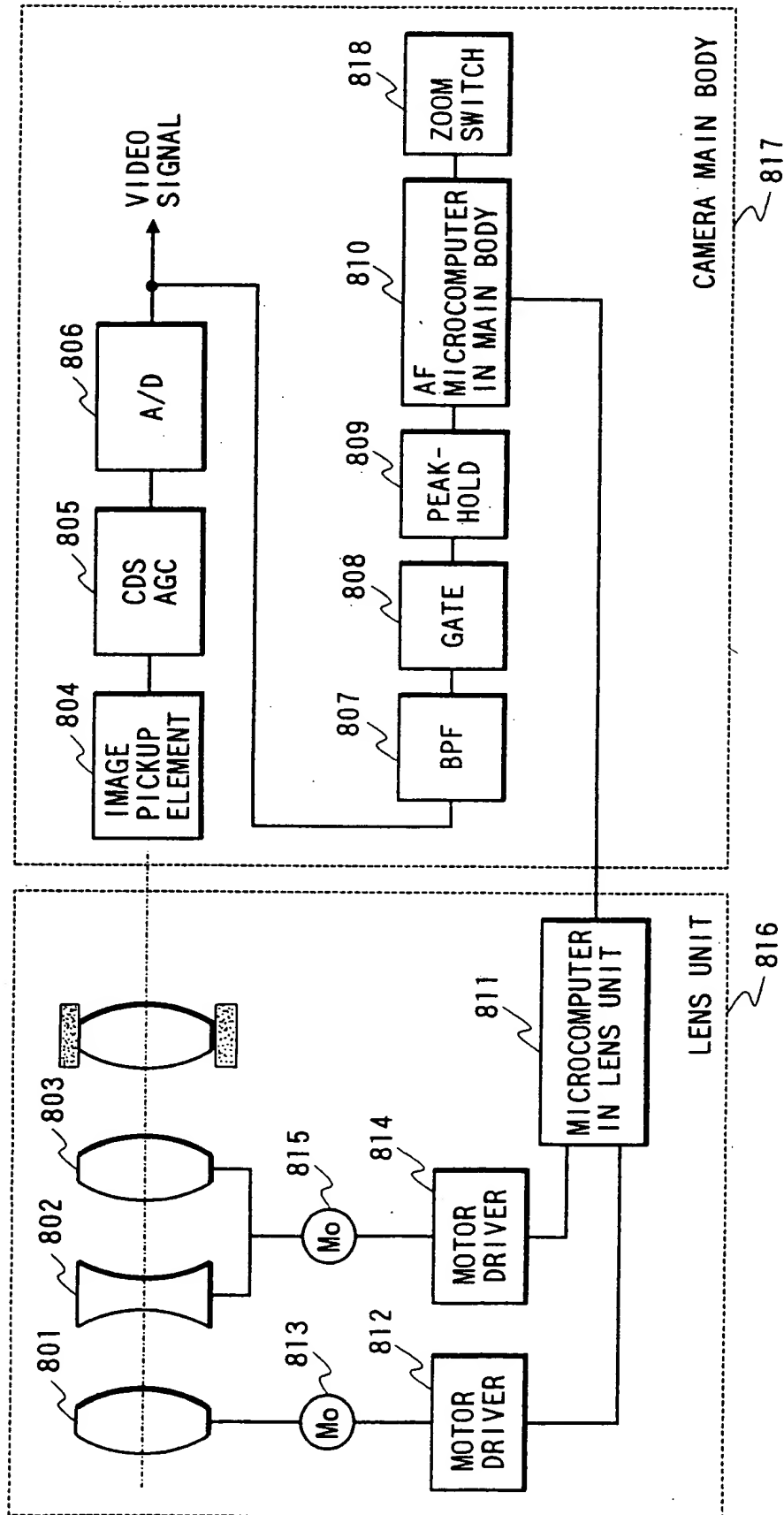


FIG. 2 prior art

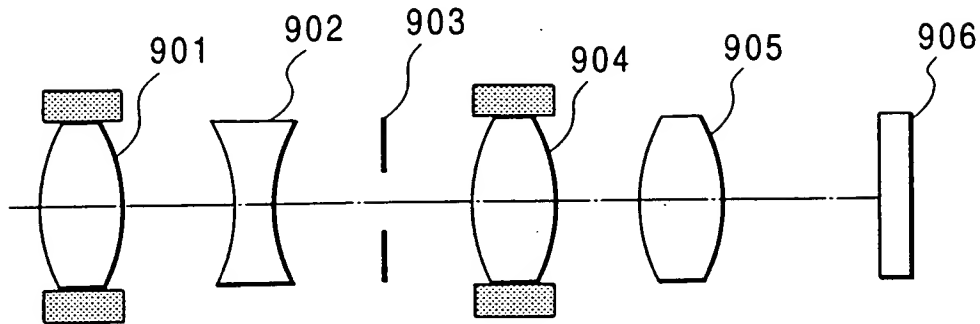
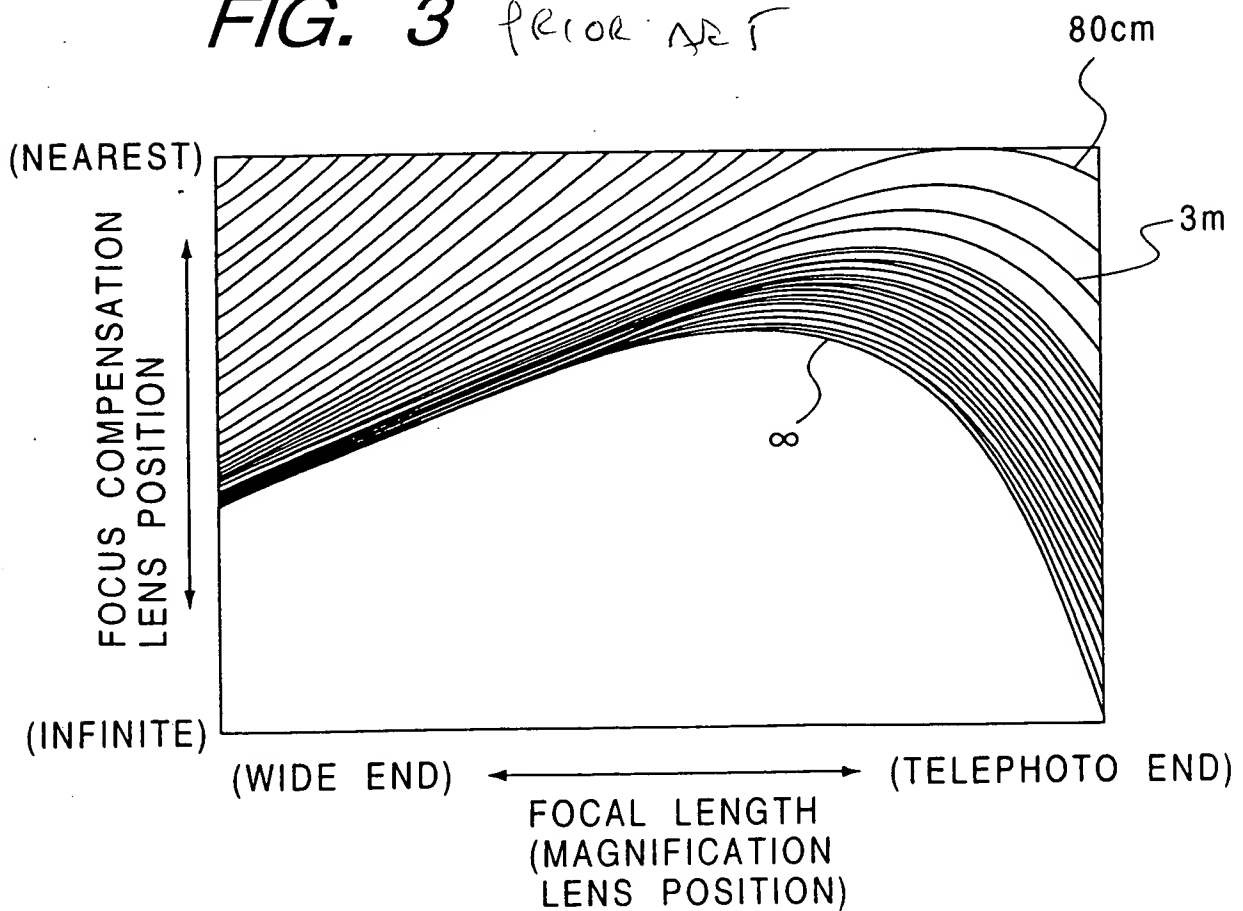


FIG. 3 prior art





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FIG. 4 PRIOR ART

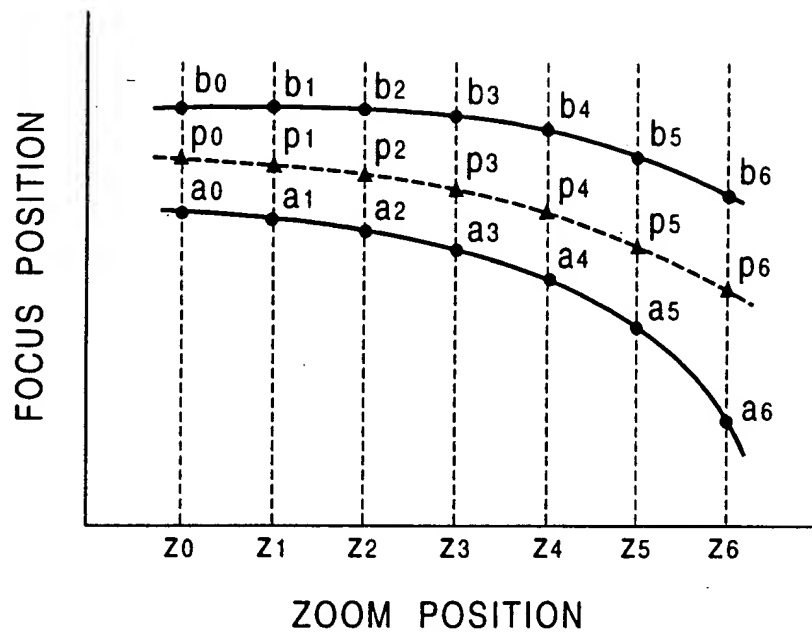
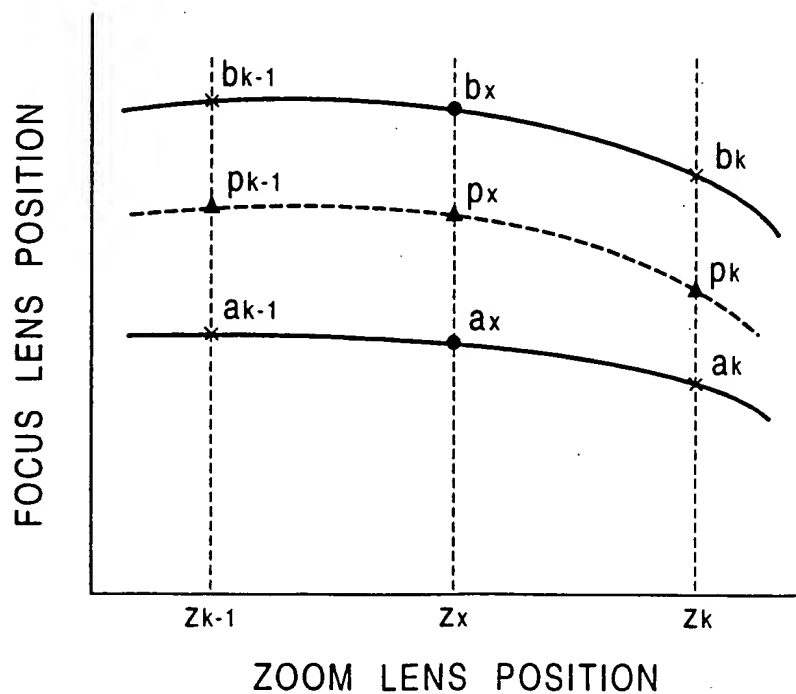


FIG. 5 PRIOR ART



$$a_x = a_k - \frac{(z_k - z_{k-1})(a_k - a_{k-1})}{(z_k - z_{k-1})}$$

$$b_x = b_k - \frac{(z_k - z_x)(b_k - b_{k-1})}{(z_k - z_{k-1})}$$



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TIME REQUIRED TO MOVE 112a  
BY ONE GEAR TOOTH (HALF PERIOD)

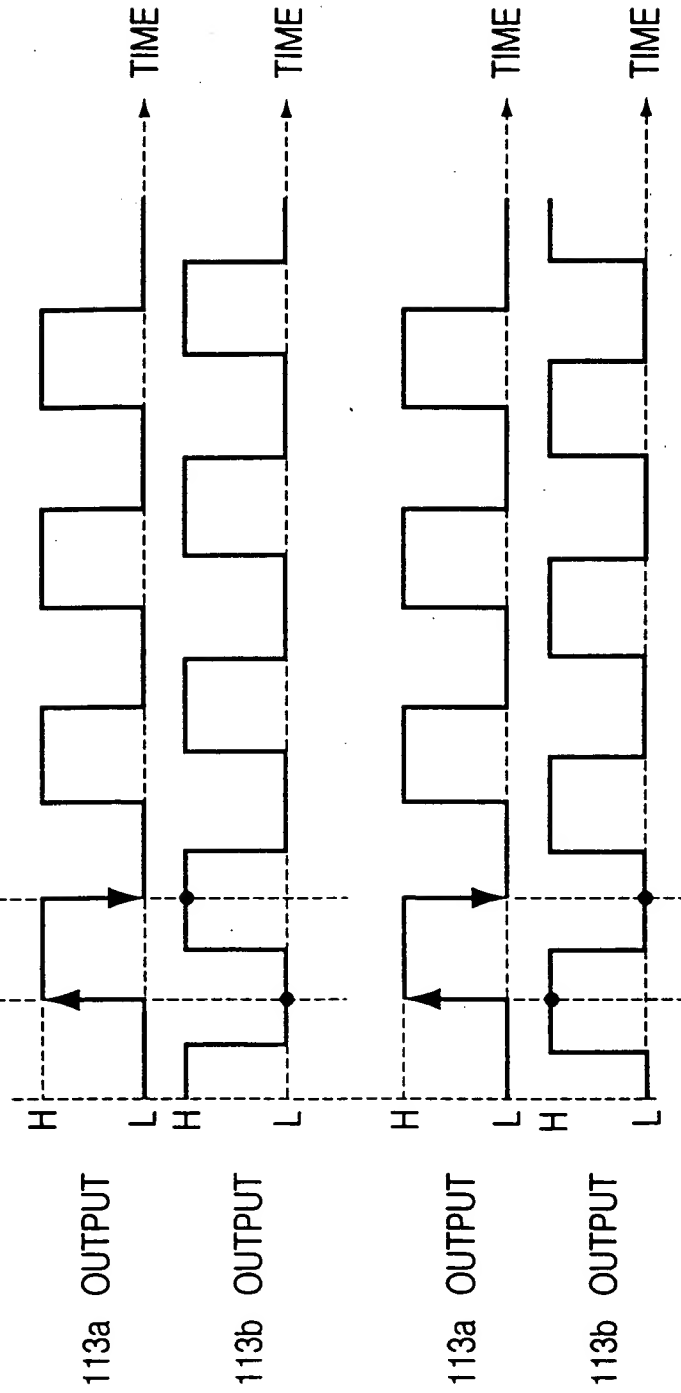


FIG. 14A

PERIOD 112a

FIG. 14B

PERIOD 112a